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UTILITY
PATENT APPLICATION
TRANSMITTAL

F-7995 Attorney Docket No. J. Marra Stage Compressor Rotor EL328766651

First Inventor Method of Designing a Mult Title (Only for new nonprovisional applications under 37 CFR 1.53(b)) Express Mail Label No. Mail Stop Patent Application APPLICATION ELEMENTS Commissioner for Patents ADDRESS TO: P.Q. Box 1450 See MPEP chapter 600 concerning utility patent application contents. Alexandria VA 22313-1450 CD-ROM or CD-R in duplicate, large table or 1. 😠 Fee Transmittal Form (e.g., PTO/SB/17) Computer Program (Appendix) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1.27. (if applicable, all necessary) 3. X Specification [Total Pages_ Computer Readable Form (CRF) (preferred arrangement set forth below) - Descriptive title of the invention Specification Sequence Listing on: Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D CD-ROM or CD-R (2 copies); or - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention Paper - Brief Description of the Drawings (if filed) Statements verifying identity of above copies Detailed Description **ACCOMPANYING APPLICATION PARTS** - Claim(s) - Abstract of the Disclosure Assignment Papers (cover sheet & document(s)) N Power of Attorney 37 CFR 3.73(b) Statement 10. [(when there is an assignee) 5. Oath or Declaration Total Sheets English Translation Document (if applicable) 11. a. [] Newly executed (original or copy) Copies of IDS Information Disclosure 12. **[** Statement (IDS)/PTO-1449 Citations b. XX Copy from a prior application (37 CFR 1.63(d)) 13. L **Preliminary Amendment** (for continuation/divisional with Box 18 completed) 14. 🗓 Return Receipt Postcard (MPEP 503) (Should be specifically itemized) **DELETION OF INVENTOR(S)** 15. L Certified Copy of Priority Document(s) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR (if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 1.63(d)(2) and 1.33(b). (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. Application Data Sheet. See 37 CFR 1.76 17. Other: 18, If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: of prior application No.: Continuation-in-part (CIP) Continuation ___ Divisional Hugh Jones Art Unit: 2123 Prior application information: Examiner For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS OR X Correspondence address below Customer Number: Name Pratt & Whitney 400 Main Street, M/S 132-13 Address Zip Code State City 06108 East Hartford Telephone 860-565-5106 Country 860-565-9276 USA 29,995 Registration No. (Attorney/Agent) Name (Print/Type) John Signature 8/4/2003

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the Inis collection or information is required by 37 CFR T.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (05-03)
Approved for use through 04/30/2003. OMB 0651-0032
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1	FEE	TR	AN	SIV		A	
		for	FY	20	03		

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$) 750.00

Complet if Known						
Application Number	09/469,147					
Filing Date	12/21/1999					
First Named Inventor	J. Marra					
Examiner Name	H. Jones					
Art Unit	2123					
Attorney Docket No.	F-7995					

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)					
Check Credit card Money Other None						
X Deposit Account:	Large Entity Small Entity					
Deposit	Fee Fee Fee Fee Fee Description Fee Fee Fee Fee Fee Fee Fee Fee Fee Fe	aid				
Account Number 21-0279	1051 130 2051 65 Surcharge - late filing fee or oath					
Deposit Account	1052 50 2052 25 Surcharge - late provisional filing fee or cover sheet					
Name	1053 130 1053 130 Non-English specification					
The Director is authorized to: (check all that apply) X Charge fee(s) indicated below X Credit any overpayments	1812 2,520 1812 2,520 For filing a request for ex parte reexamination					
X Charge any additional fee(s) during the pendency of this application	1804 920* 1804 920* Requesting publication of SIR prior to					
Charge fee(s) indicated below, except for the filing fee	1805 1,840* 1805 1,840* Requesting publication of SIR after Examiner action					
to the above-identified deposit account.	1251 110 2251 55 Extension for reply within first month					
FEE CALCULATION	1252 410 2252 205 Extension for reply within second month					
1. BASIC FILING FEE Large Entity Small Entity	1253 930 2253 465 Extension for reply within third month					
Fee Fee Fee Fee Description Fee Paid	1254 1,450 2254 725 Extension for reply within fourth month					
Code (\$) Code (\$) 1001 750 2001 375 Utility filing fee	1255 1,970 2255 985 Extension for reply within fifth month					
1001 750 2001 375 Gillity filing fee 750.00	1401 320 2401 160 Notice of Appeal					
1003 520 2003 260 Plant filing fee	1402 320 2402 160 Filing a brief in support of an appeal					
1004 750 2004 375 Reissue filing fee	1403 280 2403 140 Request for oral hearing					
1005 160 2005 80 Provisional filing fee	1451 1,510 1451 1,510 Petition to institute a public use proceeding					
SUBTOTAL (1) (\$)750.00	1452 110 2452 55 Petition to revive - unavoidable					
	1453 1,300 2453 650 Petition to revive - unintentional					
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501 1,500 2501 650 Officty Issue fee (of felsale)					
Extra Claims below Fee Paid Total Claims 18 -20** = 0 x = 0	71					
Independent 1 3** 0 V 4	1503 630 2503 315 Plant issue fee					
Claims -3 - 0 ^ -	1460 \130 1460 130 Petitions to the Commissioner					
Large Entity Small Entity	1807 50 1807 50 Processing fee under 37 CFR 1.17(q)					
Fee Fee Fee Fee Description	1806 180 1806 180 Submission of Information Disclosure Stmt 8021 40 8021 40 Recording each patent assignment per					
Code (\$) Code (\$) 1202 18 2202 9 Claims in excess of 20	property (times number of properties)					
1202 18 2202 9 Claims in excess of 20 1201 84 2201 42 Independent claims in excess of 3	1809 750 2809 375 Filing a submission after final rejection (37 CFR 1.129(a))					
1203 .280 2203 140 Multiple dependent claim, if not paid	1810 750 2810 375 For each additional invention to be					
1204 84 2204 42 ** Reissue independent claims over original patent	examined (37 CFR 1.129(b)) 1801 750 2801 375 Request for Continued Examination (RCE)					
1205 18 2205 9 ** Reissue claims in excess of 20	1802 900 1802 900 Request for expedited examination of a design application					
and over original patent	Other fee (specify)					
SUBTOTAL (2) (\$) 0	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)					
**or number previously paid, if greater; For Reissues, see above (Complete (if applicable)						
SUBMITTED BY	(Complete (if application)					

SUBMITTED BY

Name (Print/Type)

John Swia Ocha

Registration No. 29,995

Telephone860-565-5106

(Allomet/Agent)

Date

August 4, 2003

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Certification

"Express mail" mailing label number EL328766651US

I hereby certify that this paper (Ref: Appln No. 09/469,147 and F-7995) or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee", service under 37 CFR 1.10 on the date indicated and is addressed to:

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Cynthia Lovell

Date of deposit August 4, 2003